

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
20 January 2005 (20.01.2005)

PCT

(10) International Publication Number
WO 2005/005954 A3

(51) International Patent Classification⁷: **A61K 9/127**,
39/00, C12Q 1/00, G01N 33/53, 33/92

(74) Agent: AGARWAL, Dinesh; Dinesh Agarwal, P.C., 5350
Shawnee Road, Suite 330, Alexandria, VA 22312 (US).

(21) International Application Number:
PCT/US2004/017431

(22) International Filing Date: 30 June 2004 (30.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/483,121 30 June 2003 (30.06.2003) US

(71) Applicants (for all designated States except US): **THE BRIGHAM & WOMEN'S HOSPITAL, INC.** [US/US]; 75 Francis Street, Boston, MA 02115 (US). **U.S. DEPARTMENT OF VETERANS AFFAIRS OFFICE OF THE GENERAL COUNSEL-PSG IV (024)** [US/US]; 810 Vermont Avenue N.W., Washington, DC 20420 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GILBERT, Gary, E.** [US/US]; U.S. Department of Veterans Affairs, Office of general Counsel - PSG IV (024), 810 Vermont Avenue N.W., Washington, D.C. 20420 (US). **SHI, Jialan** [CN/US]; U.S. Department of Veterans Affairs, Office of general Counsel - PSG IV (024), 810 Vermont Avenue N.W., Washington, D.C. 20420 (US). **HEEGAARD, Christian, W.** [DK/DK]; Solvejen 8, DK-8250 Egaa (DK). **RASMUSSEN, Jan, T.** [DK/DK]; Knudsvej 36, DK-8680 Ry (DK).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
26 May 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD, COMPOSITION AND KIT FOR DETECTING PHOSPHATIDYLSERINE (PS) ON CELL MEMBRANES

(57) Abstract: A method, composition and kit for detecting the presence of a phospholipid, such as phosphatidylserine, on a cell membrane is provided. A binding agent including lactadherin, a fragment of lactadherin, a functional equivalent of lactadherin, or a functional equivalent of a fragment of lactadherin, is used to detect the presence of any phospholipid.



WO 2005/005954 A3